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APPLICATION NO	. FI	LING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/542,948 07/		07/21/2005	Emmanuel Legrand	047578/294904	9148
826	7590	12/14/2006		EXAM	INER
ALSTON	& BIRD L	LLP	GRANT, ALVIN J		
BANK OF			ART UNIT	PAPER NUMBER	
		STREET, SUITE 40	:	·	
CHARLOTTE, NC 28280-4000				. 3723	

DATE MAILED: 12/14/2006

Please find below and/or attached an Office communication concerning this application or proceeding.

		NT
	Application No.	Applicant(s)
	10/542,948	LEGRAND, EMMANUEL
Office Action Summary	Examiner	Art Unit
	Alvin J. Grant	3723
The MAILING DATE of this communication ap Period for Reply	opears on the cover sheet w	vith the correspondence address
A SHORTENED STATUTORY PERIOD FOR REPI WHICHEVER IS LONGER, FROM THE MAILING [- Extensions of time may be available under the provisions of 37 CFR 1 after SIX (6) MONTHS from the mailing date of this communication If NO period for reply is specified above, the maximum statutory period - Failure to reply within the set or extended period for reply will, by statu Any reply received by the Office later than three months after the maili earned patent term adjustment. See 37 CFR 1.704(b).	DATE OF THIS COMMUNI 1.136(a). In no event, however, may a d will apply and will expire SIX (6) MO ute, cause the application to become A	ICATION. reply be timely filed NTHS from the mailing date of this communication. BANDONED (35 U.S.C. § 133).
Status		
1) Responsive to communication(s) filed on 21.	July 2005.	·
<u> </u>	is action is non-final.	
3) Since this application is in condition for allows closed in accordance with the practice under		•
Disposition of Claims		
4) Claim(s) 1-16 is/are pending in the application	n.	
4a) Of the above claim(s) is/are withdra	awn from consideration.	
5) Claim(s) is/are allowed.		
6)⊠ Claim(s) <u>1-6 and 9-16</u> is/are rejected.		
7) Claim(s) <u>7 and 8</u> is/are objected to.		
8) Claim(s) are subject to restriction and/	or election requirement.	•
Application Papers	·	
9)☐ The specification is objected to by the Examin	ier.	
10)☐ The drawing(s) filed on is/are: a)☐ ac		
Applicant may not request that any objection to the	e drawing(s) be held in abeya	nce. See 37 CFR 1.85(a).
Replacement drawing sheet(s) including the correct		•
11) The oath or declaration is objected to by the E	Examiner. Note the attache	d Office Action or form PTO-152.
Priority under 35 U.S.C. § 119		
12) Acknowledgment is made of a claim for foreig a) All b) Some * c) None of:	n priority under 35 U.S.C.	§ 119(a)-(d) or (f).
1. Certified copies of the priority documen	its have been received.	
2. Certified copies of the priority documen		Application No
Copies of the certified copies of the price	The state of the s	received in this National Stage
application from the International Burea		
* See the attached detailed Office action for a lis	t of the certified copies not	received.
Attachment(s)		
Notice of References Cited (PTO-892)	4) Interview	Summary (PTO-413)
2) D Notice of Draftsperson's Patent Drawing Review (PTO-948)	Paper No(s)/Mail Date
B) Information Disclosure Statement(s) (PTO/SB/08) Paper No(s)/Mail Date <u>7/21/05</u> .	5) Notice of I	Informal Patent Application

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DETAILED ACTION

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Claim Objections

1. Claim 10 is objected to because of the following informality:

In lines 2 and 3, it seems that "the locking element comprises on a working face arrangements (404) of gripping with the string" should read, "the locking element comprises on a working face, arrangements (404) for gripping the string".

Appropriate correction is required.

Claim Rejections - 35 USC § 102

2. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless -

- (b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.
- 3. Claims 1-6, 9, 10 and 13-16 are rejected under 35 U.S.C. 102(b) as being anticipated by Jones et al. 5,048,278.

Jones et al. discloses a cutting head comprising a passageway, a mobile string locking element, wherein the passageway is generally offset from a central axis of the head and opens at both ends at the periphery of the head, and in that the locking mobile element is a one-way locking element (Figs. 5 and 6); the mobile locking element (at 66) is located between the passageway and the periphery of the head; the locking element comprises a shoe force (col. 4, lines 27-34); it comprises a cavity sheltering the locking element and delimited on one side by the string passageway and on an opposite side

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by a surface oriented at an oblique angle relative to the direction of the string passageway, and in that the locking element comprises both a working face and a bearing face oriented at an oblique angle relative to the working face (Figs. 5 and 6); the working face of the locking element is oriented substantially in one plane; the locking element is acted upon by a pushing member (66); the locking element comprises on a working face arrangements for gripping with the string; the locking element comprises in a working face a longitudinal slot suitable for at least partially receiving the cutting string (Fig. 6); the cutting string presents a rugged section, and in that the locking element is suitable for acting on a ridge of the string; the locking element is suitable for moving in translation in a direction generally transverse to a radial direction of the head; and it inherently comprises a motor suitable for driving the head in rotation.

Claim Rejections - 35 USC § 103

- 4. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:
 - (a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negatived by the manner in which the invention was made.
- 5. Claims 11 and 12 are rejected under 35 U.S.C. 103(a) as being unpatentable over Jones et al. in view of Collins et al. 4,853,867.

Jones et al. is described above. Jones et al. does not specifically disclose that the gripping element comprises teeth. Collins et al. discloses an apparatus for cutting

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vegetation in which the gripping element comprises teeth so as to minimize the occurrence of the string slipping. It would have been obvious to one having ordinary skill in the art at the time the invention was made to have made the cutting head of Jones et al. have teeth on the gripping element as taught by Collins et al. so as to minimize the occurrence of the string slipping.

Allowable Subject Matter

6. Claims 7 and 8 are objected to as being dependent upon a rejected base claim, but would be allowable if rewritten in independent form including all of the limitations of the base claim and any intervening claims.

Conclusion

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Alvin J. Grant whose telephone number is (571) 272-4484. The examiner can normally be reached on Mon-Fri 8:00-4:30.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Joseph J. Hail can be reached on (571) 272-4485. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

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Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

Alvin J Grant Patent Examiner Art Unit 3723

ajg